

Chapter NR 675

APPENDIX I

Wastes Excluded From Lab Packs Under the Alternative Treatment Standards of s. NR 675.22 (3)

Note: The treatment standards for F001–F005 Spent Solvent Wastes appear in ss. NR 675.21, 675.22 and 675.23.

Chapter NR 675

APPENDIX II

LIST OF HALOGENATED ORGANIC COMPOUNDS

In determining the concentration of HOCs in a hazardous waste for purposes of the California List land disposal prohibition, the following HOCs shall be included in the calculation as any compounds having a carbon-halogen bond which are listed in this Appendix. Appendix II consists of the following compounds:

Volatiles

Bromodichloromethane
Bromomethane
Carbon Tetrachloride
Chlorobenzene 2-Chloro-1,3-butadiene
Chlorodibromomethane
Chloroethane
2-Chloroethyl vinyl ether
Chloroform
Chloromethane
3-Chloropropene
1,2-Dibromo-3-chloropropane
1,2-Dibromomethane
Dibromomethane
Trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
Trans-1,2-Dichloroethane
1,2-Dichloropropane
Trans-1,3-Dichloropropene
cis-1,3-Dichloropropene
Iodomethane
Methylene chloride
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Tribromomethane
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichloromonofluoromethane
1,2,3-Trichloropropane
Vinyl chloride

Semivolatiles

Bis(2-chloroethoxy)ethane
Bis(2-chloroethyl)ether
Bis(2-chloroisopropyl) ether
p-Chloroaniline
Chlorobenzilate
p-Chloro-m-cresol
2-Chloronaphthalene
2-Chlorophenol
3-Chloropropionitrile
m-Dichlorobenzene
o-Dichlorobenzene
p-Dichlorobenzene
3,3'-Dichlorobenzidine
2,4-Dichlorophenol
2,6-Dichlorophenol
Hexachlorobenzene
Hexachlorobutadiene

Hexachlorocyclopentadiene
Hexachloroethane
Hexachloroprophene
Hexachloropropene
4,4'-Methylenebis(2-chloroaniline)
Pentachlorobenzene
Pentachloroethane
Pentachloronitrobenzene
Pentachlorophenol
Pronamide
1,2,4,5-Tetrachlorobenzene
2,3,4,6-Tetrachlorophenol
1,2,4-Trichlorobenzene
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
Tris(2,3-dibromopropyl)phosphate

Organochlorine Pesticides

Aldrin
alpha-BHC
beta-BHC
delta-BHC
gamma-BHC
Chlordane
DDD
DDE
DDT
Dieldrin
Endosulfan I
Endosulfan II
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
Isodrin
Kepone
Methoxychlor
Toxaphene

Phenoxyacetic Acid Herbicides

2,4-Dichlorophenoxyacetic acid
Silvex 2,4,5-T

PCBs

Aroclor 1016
Aroclor 1221
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
PCBs not otherwise specified
Dioxins and Furans
Hexachlorodibenzo-p-dioxins
Hexachlorodibenzofuran
Pentachlorodibenzo-p-dioxins

Pentachlorodibenzofuran
Tetrachlorodibenzo-p-dioxins
Tetrachlorodibenzofuran
2,3,7,8-Tetrachlorodibenzo-p-dioxin

Chapter NR 675

APPENDIX III

Wastes Excluded From Lab Packs Under the Alternative Treatment Standards of s. NR 675.22(3)

Hazardous waste with the following Hazardous Waste Codes may not be placed in lab packs under the alternative lab pack treatment standards of s. NR 675.22(3): D009, F019, K003, K004, K005, K006, K062, K071, K100, K106, P010, P011, P012, P076, P078, U134 and U151.

Chapter NR 675

APPENDIX V

RECOMMENDED TECHNOLOGIES TO ACHIEVE DEACTIVATION OF CHARACTERISTICS IN SECTION S. NR 675.22

The treatment standard for many subcategories of D001, D002 and D003 wastes as well as for K044, K045 and K047 wastes is listed in s. NR 675.22 simply as “deactivation to remove the characteristics of ignitability, corrosivity, and reactivity”. EPA has determined that many technologies, when used alone or in combination, can achieve this standard. The following Appendix presents a partial list of these technologies, utilizing the 5 letter technology codes established in s. NR 675.22 table 1. Use of these specific technologies is not mandatory and does not preclude direct reuse, recovery, and/or the use of other pretreatment technologies provided deactivation is achieved and these alternative methods are not performed in units designated as land disposal.

<u>Waste code/subcategory</u>	<u>Nonwastewaters</u>	<u>Wastewaters</u>
D001 Ignitable Liquids based on s. NR 605.08 (2) (a) 1.—Low TOCNonwastewater Subcategory (containing 1% to <10% TOC)	RORG INCIN WETOX CHOXD BIODG	n.a.
D001 Ignitable Liquids based on s. NR 605.08 (2) (a) 1.—Ignitable WastewaterSubcategory (containing <1% TOC)	n.a.	RORG INCIN WETOX CHOXD BIODG
D001 Compressed Gases based on s. NR 605.08 (2) (a) 1.	RCGAS INCIN FSUBS ADGAS fb. INCIN ADGAS fb. (CHOXD; or CHRED)	n.a.
D001 Ignitable Reactives based on s. NR 605.08 (2) (a) 2.	WTRRX CHOXD CHRED STABL INCIN	n.a.
D001 Ignitable Oxidizers based on s. NR 605.08 (2) (a) 4.	CHRED INCIN	CHRED INCIN
D002 Acid Subcategory based on s. NR 605.08 (2) (a) 1. with pH less than or equal to 2	RCORR NEUTR INCIN	NEUTR INCIN
D002 Alkaline Subcategory based on s. NR 605.08 (2) (a) 1. with pH greater than or equal to 12.5	NEUTR INCIN	NEUTR INCIN
D002 Other Corrosives based on s. NR 605.08 (2) (a) 2.	CHOXD CHRED INCIN STABL	CHOXD CHRED INCIN
D003 Water Reactives based on s. NR 605.08 (2) (a) 2., 3. and 4.	INCIN WTRRX CHOXD CHRED	n.a.
D003 Reactive Sulfides based on s. NR 605.08 (4) (a) 5.	CHOXD CHRED INCIN STABL	CHOXD CHRED BIODG INCIN
D003 Explosives based on s. NR 605.08 (4) (a) 6., 7. and 8.	INCIN CHOXD CHRED	INCIN CHOXD CHRED BIODG CARBN

NR 675 Appendix V

WISCONSIN ADMINISTRATIVE CODE

338

D003 Other Reactives based on s. NR 605.08 (4) (a) 1.	INCIN	INCIN
	CHOXD	CHOXD
	CHRED	CHRED BIODG CARBN
K044 Wastewater treatment sludges from the manufacturing and processing of explosives	CHOXD	CHOXD
	CHRED	CHRED
	INCIN	BIODG CARBN INCIN
K045 Spent carbon from the treatment of wastewaters containing explosives	CHOXD	CHOXD
	CHRED	CHRED
	INCIN	BIODG CARBN INCIN
K047 Pink/red water from TNT operations	CHOXD	CHOXD
	CHRED	CHRED
	INCIN	BIODG CARBN INCIN

Note: FOOTNOTE: Note: "n.a." stands for "not applicable"; "fb." stands for "followed by".

Chapter NR 675

APPENDIX VI

Table 1
Effective Dates of Surface Disposed Wastes Regulated In the LDRS

[Comprehensive List]

Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
California List	Liquid hazardous wastes, including free liquids associated with solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l or certain metals or compounds of these metals greater than or equal to the prohibition levels	July 8, 1987.	D008	Lead acid batteries	May 8, 1992.
California List	Liquid (aqueous) hazardous wastes having a pH less than or equal to 2	July 8, 1987.	D008	All others	Aug. 8, 1990
California List	Dilute HOC wastewaters, defined as HOC-waste mixtures that are primarily water and that contain greater than or equal to 1,000 mg/l but less than 10,000 mg/l	July 8, 1987.	D009	Inorganic solid debris	May 8, 1992.
California List	Liquid hazardous waste containing PCBs greater than or equal to 50 ppm	July 8, 1987.	D009	High mercury non-wastewater	May 8, 1992.
California List	Other liquid and non-liquid hazardous wastes containing HOCs in total concentration greater than or equal to 1,000 mg	Nov. 8, 1988.	D009	Low mercury nonwastewater	May 8, 1992.
California List	Soil and debris HOCs not from CERCLA/RCRA corrective actions	July 8, 1989.	D009	All others	Aug. 8, 1990.
California List	Soil and debris HOCs from CERCLA/RCRA corrective actions	Nov. 8, 1990.	D010	Inorganic solid debris	May 8, 1992.
D001	All	Aug. 8, 1990.	D010	All others	Aug. 8, 1990.
D002	All	Aug. 8, 1990.	D011	Inorganic solid debris	May 8, 1992.
D003	All	Aug. 8, 1990.	D011	All others	Aug. 8, 1990.
D004	Inorganic solid debris	May 8, 1992.	D012	All	Aug. 8, 1990.
D004	Nonwastewater	May 8, 1992.	D013	All	Aug. 8, 1990.
D004	Wastewater	Aug. 8, 1990.	D0014	All	Aug. 8, 1990.
D005	Inorganic solid debris	May 8, 1992.	D0015	All	Aug. 8, 1990.
D005	All others	Aug. 8, 1990.	D0016	All	Aug. 8, 1990.
D006	Inorganic solid debris	May 8, 1992.	D0017	All	Aug. 8, 1990.
D006	All others	Aug. 8, 1990.	F001-F005	All, except:	Nov. 8, 1986.
D007	Inorganic solid debris	May 8, 1992.	F001-F005	Small quantity generators, CERCLA/RCRA corrective action, initial generator's solvent-water mixtures, solvent-containing sludges and solids, and non CERCLA/RCRA corrective action soils with less than 1 percent total solvent constituents	Nov. 8, 1988.
D007	All others	Aug. 8, 1990.	F001-F005	Soil and debris	Nov. 8, 1990.
D008	Inorganic solid debris	May 8, 1992.	F002	All	Aug. 8, 1990.
			F005	All	Aug. 8, 1990.
			F006	Wastewater	Aug. 8, 1990.
			F006	Nonwastewater	Aug. 8, 1988.
			F006 (cyanides)	Nonwastewater	July 8, 1989.
			F007	All	July 8, 1989.
			F008	All	July 8, 1989.
			F009	All	July 8, 1989.
			F010	Soil and debris	June 8, 1991.
			F010	All others	June 8, 1989.
			F011	All	July 8, 1989.
			F012	All	July 8, 1989.

NR 675 Appendix VI

WISCONSIN ADMINISTRATIVE CODE

338-2

F019	All	Aug. 8, 1990.	K016	All others	Aug. 8, 1988.
F020	Soil and debris	Nov. 8, 1990.	K017	All	Aug. 8, 1990.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
F020	All others	Nov. 8, 1988.	K018	Soil and debris	Aug. 8, 1990.
F021	Soil and debris	Nov. 8, 1990.	K018	All others	Aug. 8, 1988.
F021	All others	Nov. 8, 1988.	K019	Soil and debris	Aug. 8, 1990.
F022	Soil and debris	Nov. 8, 1990.	K019	All others	Aug. 8, 1988.
F022	All others	Nov. 8, 1988.	K020	Soil and debris	Aug. 8, 1990.
F023	Soil and debris	Nov. 8, 1990.	K020	All others	Aug. 8, 1988.
F023	All others	Nov. 8, 1988.	K021	All	Aug. 8, 1990.
F024	Soil and debris	June 8, 1991.	K022	Wastewater	Aug. 8, 1990.
F024 (metals)	Nonwastewater	Aug. 8, 1990.	K022	Nonwastewater	Aug. 8, 1988.
F024 (dioxins/furans)	All	Aug. 8, 1990.	K022	Soil and debris	Aug. 8, 1990.
F024	All others	June 8, 1989.	K023	Soil and debris	June 8, 1991.
F025	All	Aug. 8, 1990.	K023	All others	June 8, 1989.
F026	Soil and debris	Nov. 8, 1990.	K024	Soil and debris	Aug. 8, 1990.
F026	All others	Nov. 8, 1988.	K024	All others	Aug. 8, 1988.
F027	Soil and debris	Nov. 8, 1990.	K025	All	Aug. 8, 1990.
F027	All others	Nov. 8, 1988.	K026	All	Aug. 8, 1990.
F028	Soil and debris	Nov. 8, 1990.	K027	Soil and debris	June 8, 1991.
F028	All others	Nov. 8, 1988.	K027	All others	June 8, 1989.
F039	Wastewater	Aug. 8, 1990.	K028	Soil and debris	June 8, 1991.
F039	Nonwastewater	May 8, 1992.	K028 (metals)	Nonwastewater	Aug. 8, 1990.
K001	Soil and debris	Aug. 8, 1990.	K028	All others	June 8, 1989.
K001 (Lead/organics)	All	Aug. 8, 1990.	K029	Wastewater	Aug. 8, 1990.
K001	All others	Aug. 8, 1988.	K029	Nonwastewater	June 8, 1989.
K002	All	Aug. 8, 1990.	K029	Soil and debris	June 8, 1991.
K003	All	Aug. 8, 1990.	K030	Soil and debris	Aug. 8, 1990.
K004	All	Aug. 8, 1990.	K030	All others	Aug. 8, 1988.
K005	All	Aug. 8, 1990.	K031	Wastewater	Aug. 8, 1990.
K006	All	Aug. 8, 1990.	K031	Nonwastewater	May 8, 1992.
K007	All	Aug. 8, 1990.	K032	All	Aug. 8, 1990.
K008	All	Aug. 8, 1990.	K033	All	Aug. 8, 1990.
K009	Soil and debris	June 8, 1991.	K034	All	Aug. 8, 1990.
K009	All others	June 8, 1989.	K035	All	Aug. 8, 1990.
K010	Soil and debris	June 8, 1991.	K036	All	Aug. 8, 1990.
K010	All others	June 8, 1989.	K037	Soil and debris	Aug. 8, 1990.
K011	Wastewater	Aug. 8, 1990.	K037	Wastewater	Aug. 8, 1990.
K011	Nonwastewater	June 8, 1989.	K037	All others	Aug. 8, 1988.
K011	Soil and debris	June 8, 1991.	K038	Soil and debris	June 8, 1991.
K013	Wastewater	Aug. 8, 1990.	K038	All others	June 8, 1989.
K013	Nonwastewater	June 8, 1989.	K039	Soil and debris	June 8, 1991.
K013	Soil and debris	June 8, 1991.	K039	All others	June 8, 1989.
K014	Wastewater	Aug. 8, 1990.	K040	Soil and debris	June 8, 1991.
K014	Nonwastewater	June 8, 1989.	K040	All others	June 8, 1989.
K014	Soil and debris	June 8, 1991.	K041	All	Aug. 8, 1990.
K015	Wastewater	Aug. 8, 1988.	K042	All	Aug. 8, 1990.
K015	Nonwastewater	Aug. 8, 1990.	K043	Soil and debris	June 8, 1991.
K016	Soil and debris	Aug. 8, 1990.	K043	All others	June 8, 1989.

K044	All	Aug. 8, 1990.	K103	All others	Aug. 8, 1988.
K045	All	Aug. 8, 1990.	K104	Soil and debris	Aug. 8, 1990.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
K046	Nonreactive nonwaste-water	Aug. 8, 1988.	K104	All others	Aug. 8, 1988.
K046	All others	Aug. 8, 1990.	K105	All	Aug. 8, 1990.
K047	All	Aug. 8, 1990.	K106	High mercury non-wastewater	May 8, 1992.
K048	Wastewater	Aug. 8, 1990.	K106	Low mercury nonwaste-water	May 8, 1992.
K048	Nonwastewater	Nov. 8, 1990.	K106	All others	Aug. 8, 1990.
K049	Wastewater	Aug. 8, 1990.	K113	Soil and debris	June 8, 1991.
K049	Nonwastewater	Nov. 8, 1990.	K113	All others	June 8, 1989.
K050	Wastewater	Aug. 8, 1990.	K114	Soil and debris	June 8, 1991.
K050	Nonwastewater	Nov. 8, 1990.	K114	All others	June 8, 1989.
K051	Wastewater	Aug. 8, 1990.	K115	Soil and debris	June 8, 1991.
K051	Nonwastewater	Nov. 8, 1990.	K115	All others	June 8, 1989.
K052	Wastewater	Aug. 8, 1990.	K116	Soil and debris	June 8, 1991.
K052	Nonwastewater	Nov. 8, 1990.	K116	All others	June 8, 1989.
K060	All	Aug. 8, 1990.	P001	All	Aug. 8, 1990.
K061	Wastewater	Aug. 8, 1990.	P002	All	Aug. 8, 1990.
K061	Nonwastewater	Aug. 8, 1988.	P003	All	Aug. 8, 1990.
K062	All	Aug. 8, 1988.	P004	All	Aug. 8, 1990.
K069	All	Aug. 8, 1990.	P005	All	Aug. 8, 1990.
K073	All	Aug. 8, 1990.	P006	All	Aug. 8, 1990.
K083	All	Aug. 8, 1990.	P007	All	Aug. 8, 1990.
K084	Wastewater	Aug. 8, 1990.	P008	All	Aug. 8, 1990.
K084	Nonwastewater	May 8, 1992.	P009	All	Aug. 8, 1990.
K085	All	Aug. 8, 1990.	P010	Wastewater	Aug. 8, 1990.
K086	All	Aug. 8, 1990.	P010	Nonwastewater	May 8, 1992.
K087	Soil and debris	Aug. 8, 1990.	P011	Wastewater	Aug. 8, 1990.
K087	All others	Aug. 8, 1988.	P011	Nonwastewater	May 8, 1992.
K093	Soil and debris	June 8, 1991.	P012	Wastewater	Aug. 8, 1990.
K093	All others	June 8, 1989.	P012	Nonwastewater	May 8, 1992.
K094	Soil and debris	June 8, 1991.	P013	All	Aug. 8, 1990.
K094	All others	June 8, 1989.	P014	All	Aug. 8, 1990.
K095	Wastewater	Aug. 8, 1990.	P015	All	Aug. 8, 1990.
K095	Nonwastewater	June 8, 1989.	P016	All	Aug. 8, 1990.
K095	Soil and debris	June 8, 1991.	P017	All	Aug. 8, 1990.
K096	Wastewater	Aug. 8, 1990.	P018	All	Aug. 8, 1990.
K096	Nonwastewater	June 8, 1989.	P020	All	Aug. 8, 1990.
K096	Soil and debris	June 8, 1991.	P021	All	June 8, 1989.
K097	All	Aug. 8, 1990.	P022	All	Aug. 8, 1990.
K098	All	Aug. 8, 1990.	P023	All	Aug. 8, 1990.
K099	All	Aug. 8, 1988.	P024	All	Aug. 8, 1990.
K100	All	Aug. 8, 1990.	P026	All	Aug. 8, 1990.
K101	Wastewater	Aug. 8, 1988.	P027	All	Aug. 8, 1990.
K101	Nonwastewater	May 8, 1992.	P028	All	Aug. 8, 1990.
K102	Wastewater	Aug. 8, 1988.	P029	All	June 8, 1989.
K102	Nonwastewater	May 8, 1992.	P030	All	June 8, 1989.
K103	Soil and debris	Aug. 8, 1990.			

NR 675 Appendix VI

WISCONSIN ADMINISTRATIVE CODE

338-4

P031	All	Aug. 8, 1990	P072	All	Aug. 8, 1990.
P033	All	Aug. 8, 1990.	P073	All	Aug. 8, 1990.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
P034	All	Aug. 8, 1990.	P074	All	June 8, 1989.
P036	Wastewater	Aug. 8, 1990.	P075	All	Aug. 8, 1990.
P036	Nonwastewater	May 8, 1992.	P076	All	Aug. 8, 1990.
P037	All	Aug. 8, 1990.	P077	All	Aug. 8, 1990.
P038	Wastewater	Aug. 8, 1990.	P078	All	Aug. 8, 1990.
P038	Nonwastewater	May 8, 1992.	P081	All	Aug. 8, 1990.
P039	Soil and debris	June 8, 1991.	P082	All	Aug. 8, 1990.
P039	All others	June 8, 1989.	P084	All	Aug. 8, 1990.
P040	Soil and debris	June 8, 1991.	P085	Soil and debris	June 8, 1991.
P040	All others	June 8, 1989.	P085	All others	June 8, 1989.
P041	Soil and debris	June 8, 1991.	P087	All	May 8, 1992.
P041	All others	June 8, 1989.	P088	All	Aug. 8, 1990.
P042	All	Aug. 8, 1990.	P089	Soil and debris	June 8, 1991.
P043	Soil and debris	June 8, 1991.	P089	All others	June 8, 1989.
P043	All others	June 8, 1989.	P092	High mercury non-wastewater	May 8, 1992.
P044	Soil and debris	June 8, 1991.	P092	Low mercury nonwastewater	May 8, 1992.
P044	All others	June 8, 1989.	P092	All others	Aug. 8, 1990.
P045	All	Aug. 8, 1990.	P093	Soil and debris	May 8, 1992.
P046	All	Aug. 8, 1990.	P093	All others	Aug. 8, 1990.
P047	All	Aug. 8, 1990.	P094	Soil and debris	June 8, 1991.
P048	All	Aug. 8, 1990.	P094	All others	June 8, 1989.
P049	All	Aug. 8, 1990.	P095	Soil and debris	May 8, 1992.
P050	All	Aug. 8, 1990.	P095	All others	Aug. 8, 1990.
P051	All	Aug. 8, 1990.	P096	All	Aug. 8, 1990.
P054	All	Aug. 8, 1990.	P097	Soil and debris	June 8, 1991.
P056	All	Aug. 8, 1990.	P097	All others	June 8, 1989.
P057	All	Aug. 8, 1990.	P098	All	June 8, 1989.
P058	All	Aug. 8, 1990.	P099 (silver)	Wastewater	Aug. 8, 1990.
P059	All	Aug. 8, 1990.	P099 (cyanides)	Wastewater	June 8, 1989.
P060	All	Aug. 8, 1990.	P099 (cyanides/silver)	Nonwastewater	June 8, 1989.
P062	Soil and debris	June 8, 1991.	P101	All	Aug. 8, 1990.
P062	All others	June 8, 1989.	P102	All	Aug. 8, 1990.
P063	All	June 8, 1989.	P103	All	Aug. 8, 1990.
P064	All	Aug. 8, 1990.	P104 (silver)	Wastewater	Aug. 8, 1990.
P065	High mercury non-wastewater	May 8, 1992.	P104 (cyanides)	Wastewater	June 8, 1989.
P065	Low mercury nonwastewater	May 8, 1992.	P104 (cyanides/silver)	Nonwastewater	June 8, 1989.
P065	All others	Aug. 8, 1990.	P105	All	Aug. 8, 1990.
P066	All	Aug. 8, 1990.	P106	All	June 8, 1989.
P067	All	Aug. 8, 1990.	P108	Soil and debris	May 8, 1992.
P068	All	Aug. 8, 1990.	P108	All others	Aug. 8, 1990.
P069	All	Aug. 8, 1990.	P109	Soil and debris	June 8, 1991.
P070	All	Aug. 8, 1990.	P109	All others	June 8, 1989.
P071	Soil and debris	June 8, 1991.	P110	All	Aug. 8, 1990.
P071	All others	June 8, 1989.	P111	Soil and debris	June 8, 1991.

P111	All others	June 8, 1989.	U026	Soil and debris	May 8, 1992.
P112	All	Aug. 8, 1990.	U026	All others	Aug. 8, 1990.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
P113	All	Aug. 8, 1990.	U027	All	Aug. 8, 1990.
P114	All	Aug. 8, 1990.	U028	Soil and debris	June 8, 1991.
P115	All	Aug. 8, 1990.	U028	All others	June 8, 1989.
P116	Soil and debris	May 8, 1992.	U029	All	Aug. 8, 1990.
P116	All others	Aug. 8, 1990.	U030	All	Aug. 8, 1990.
P118	Soil and debris	May 8, 1992.	U031	All	Aug. 8, 1990.
P118	All others	Aug. 8, 1990.	U032	All	Aug. 8, 1990.
P119	All	Aug. 8, 1990.	U033	Soil and debris	May 8, 1992.
P120	All	Aug. 8, 1990.	U033	All others	Aug. 8, 1990.
P121	All	June 8, 1989.	U034	Soil and debris	May 8, 1992.
P122	All	Aug. 8, 1990.	U034	All others	Aug. 8, 1990.
P123	All	Aug. 8, 1990.	U035	Soil and debris	May 8, 1992.
U001	All	Aug. 8, 1990.	U035	All others	Aug. 8, 1990.
U002	All	Aug. 8, 1990.	U036	All	Aug. 8, 1990.
U003	Soil and debris	May 8, 1992.	U037	All	Aug. 8, 1990.
U003	All others	Aug. 8, 1990.	U038	Soil and debris	May 8, 1992.
U004	All	Aug. 8, 1990.	U038	All others	Aug. 8, 1990.
U005	All	Aug. 8, 1990.	U039	All	Aug. 8, 1990.
U006	Soil and debris	May 8, 1992.	U041	Soil and debris	May 8, 1992.
U006	All others	Aug. 8, 1990.	U041	All	Aug. 8, 1990.
U007	Soil and debris	May 8, 1992.	U042	Soil and debris	May 8, 1992.
U007	All others	Aug. 8, 1990.	U042	All others	Aug. 8, 1990.
U008	All	Aug. 8, 1990.	U043	All	Aug. 8, 1990.
U009	All	Aug. 8, 1990.	U044	All	Aug. 8, 1990.
U010	Soil and debris	May 8, 1992.	U045	All	Aug. 8, 1990.
U010	All others	Aug. 8, 1990.	U046	Soil and debris	May 8, 1992.
U010	Soil and debris	May 8, 1992.	U046	All others	Aug. 8, 1990.
U011	All others	Aug. 8, 1990.	U047	All	Aug. 8, 1990.
U012	All	Aug. 8, 1990.	U048	All	Aug. 8, 1990.
U014	Soil and debris	May 8, 1992.	U049	Soil and debris	May 8, 1992.
U014	All others	Aug. 8, 1990.	U049	All others	Aug. 8, 1990.
U015	Soil and debris	May 8, 1992.	U050	All	Aug. 8, 1990.
U015	All others	Aug. 8, 1990.	U051	All	Aug. 8, 1990.
U016	All	Aug. 8, 1990.	U052	All	Aug. 8, 1990.
U017	Soil and debris	May 8, 1992.	U053	All	Aug. 8, 1990.
U017	All others	Aug. 8, 1990.	U055	All	Aug. 8, 1990.
U018	All	Aug. 8, 1990.	U056	All	Aug. 8, 1990.
U019	All	Aug. 8, 1990.	U057	All	Aug. 8, 1990.
U020	Soil and debris	May 8, 1992.	U058	Soil and debris	June 8, 1992.
U020	All others	Aug. 8, 1990.	U058	All others	June 8, 1989.
U021	Soil and debris	May 8, 1992.	U059	Soil and debris	May 8, 1992.
U021	All others	Aug. 8, 1990.	U059	All others	Aug. 8, 1990.
U022	All	Aug. 8, 1990.	U060	Soil and debris	May 8, 1992.
U023	All	Aug. 8, 1990.	U060	All others	Aug. 8, 1990.
U024	All	Aug. 8, 1990.	U061	Soil and debris	May 8, 1992.
U025	All	Aug. 8, 1990.	U061	All others	Aug. 8, 1990.

NR 675 Appendix VI

WISCONSIN ADMINISTRATIVE CODE

338-6

U062	Soil and debris	May 8, 1992.	U101	All	Aug. 8, 1990.
U062	All others	Aug. 8, 1990.	U102	Soil and debris	June 8, 1991.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
U063	All	Aug. 8, 1990.	U102	All others	June 8, 1989.
U064	All	Aug. 8, 1990.	U103	All	Aug. 8, 1990.
U066	All	Aug. 8, 1990.	U105	All	Aug. 8, 1990.
U067	All	Aug. 8, 1990.	U106	All	Aug. 8, 1990.
U068	All	Aug. 8, 1990.	U107	Soil and debris	June 8, 1991.
U069	Soil and debris	June 8, 1991.	U107	All others	June 8, 1989.
U069	All others	June 8, 1989.	U108	All	Aug. 8, 1990.
U070	All	Aug. 8, 1990.	U109	All	Aug. 8, 1990.
U071	All	Aug. 8, 1990.	U110	Soil and debris	May 8, 1992.
U072	All	Aug. 8, 1990.	U110	All others	Aug. 8, 1990.
U073	Soil and debris	May 8, 1992.	U111	All	Aug. 8, 1990.
U073	All others	Aug. 8, 1990.	U112	All	Aug. 8, 1990.
U074	Soil and debris	May 8, 1992.	U113	All	Aug. 8, 1990.
U074	All others	Aug. 8, 1990.	U114	Soil and debris	May 8, 1992.
U075	All	Aug. 8, 1990.	U114	All others	Aug. 8, 1990.
U076	All	Aug. 8, 1990.	U115	All	Aug. 8, 1990.
U077	All	Aug. 8, 1990.	U116	Soil and debris	May 8, 1992.
U078	All	Aug. 8, 1990.	U116	All others	Aug. 8, 1990.
U079	All	Aug. 8, 1990.	U117	All	Aug. 8, 1990.
U080	All	Aug. 8, 1990.	U118	All	Aug. 8, 1990.
U081	All	Aug. 8, 1990.	U119	Soil and debris	May 8, 1992.
U082	All	Aug. 8, 1990.	U119	All others	Aug. 8, 1990.
U083	All	Aug. 8, 1990.	U120	All	Aug. 8, 1990.
U084	All	Aug. 8, 1990.	U121	All	Aug. 8, 1990.
U085	All	Aug. 8, 1990.	U122	All	Aug. 8, 1990.
U086	All	Aug. 8, 1990.	U123	All	Aug. 8, 1990.
U087	Soil and debris	June 8, 1991.	U124	All	Aug. 8, 1990.
U087	All others	June 8, 1989.	U125	All	Aug. 8, 1990.
U088	Soil and debris	June 8, 1991.	U126	All	Aug. 8, 1990.
U088	All others	June 8, 1989.	U127	All	Aug. 8, 1990.
U089	All	Aug. 8, 1990.	U128	All	Aug. 8, 1990.
U090	All	Aug. 8, 1990.	U129	All	Aug. 8, 1990.
U091	Soil and debris	May 8, 1992	U130	Soil and debris	May 8, 1992.
U091	All others	Aug. 8, 1990.	U130	All others	Aug. 8, 1990.
U092	Soil and debris	May 8, 1992.	U131	All	Aug. 8, 1990.
U092	All others	Aug. 8, 1990.	U132	Soil and debris	May 8, 1992.
U093	Soil and debris	May 8, 1992.	U132	All others	Aug. 8, 1990.
U093	All others	Aug. 8, 1990.	U133	All	Aug. 8, 1990.
U094	All	Aug. 8, 1990.	U134	All	Aug. 8, 1990.
U095	Soil and debris	May 8, 1992.	U135	All	Aug. 8, 1990.
U095	All others	Aug. 8, 1990.	U136	Wastewater	Aug. 8, 1990.
U096	All	Aug. 8, 1990.	U136	Nonwastewater	May 8, 1992.
U097	Soil and debris	May 8, 1992.	U137	All	Aug. 8, 1990.
U097	All others	Aug. 8, 1990.	U138	All	Aug. 8, 1990.
U098	All	Aug. 8, 1990.	U140	All	Aug. 8, 1990.
U099	All	Aug. 8, 1990.	U141	All	Aug. 8, 1990.

U142	All	Aug. 8, 1990.	U173	All others	Aug. 8, 1990.
U143	Soil and debris	May 8, 1992.	U174	All	Aug. 8, 1990.
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
U143	All others	Aug. 8, 1990.	U176	Soil and debris	May 8, 1992.
U144	All	Aug. 8, 1990.	U176	All others	Aug. 8, 1990.
U145	All	Aug. 8, 1990.	U177	Soil and debris	May 8, 1992.
U146	All	Aug. 8, 1990.	U177	All others	Aug. 8, 1990.
U147	All	Aug. 8, 1990.	U178	Soil and debris	May 8, 1992.
U148	Soil and debris	May 8, 1992.	U178	All others	Aug. 8, 1990.
U148	All others	Aug. 8, 1990.	U179	All	Aug. 8, 1990.
U149	Soil and debris	May 8, 1992.	U180	All	Aug. 8, 1990.
U149	All others	Aug. 8, 1990.	U181	All	Aug. 8, 1990.
U150	Soil and debris	May 8, 1992.	U182	All	Aug. 8, 1990.
U150	All others	Aug. 8, 1990.	U183	All	Aug. 8, 1990.
U151	High mercury non-wastewater	May 8, 1992.	U184	Soil and debris	May 8, 1992.
U151	Low mercury nonwaste-water	May 8, 1992.	U184	All others	Aug. 8, 1990.
U151	Soil and debris	May 8, 1992.	U185	All	Aug. 8, 1990.
U151	All others	Aug. 8, 1990.	U186	All	Aug. 8, 1990.
U152	All	Aug. 8, 1990.	U187	All	Aug. 8, 1990.
U153	Soil and debris	May 8, 1992.	U188	All	Aug. 8, 1990.
U153	All others	Aug. 8, 1990.	U189	All	Aug. 8, 1990.
U154	All	Aug. 8, 1990.	U190	Soil and debris	June 8, 1991.
U155	All	Aug. 8, 1990.	U190	All others	June 8, 1989.
U156	Soil and debris	May 8, 1992.	U191	Soil and debris	May 8, 1992.
U156	All others	Aug. 8, 1990.	U191	All others	Aug. 8, 1990.
U157	All	Aug. 8, 1990.	U192	All	Aug. 8, 1990.
U158	All	Aug. 8, 1990.	U193	Soil and debris	May 8, 1992.
U159	All	Aug. 8, 1990.	U193	All others	Aug. 8, 1990.
U160	All	Aug. 8, 1990.	U194	Soil and debris	May 8, 1992.
U161	All	Aug. 8, 1990.	U194	All others	Aug. 8, 1990.
U162	All	Aug. 8, 1990.	U196	All	Aug. 8, 1990.
U163	Soil and debris	May 8, 1992.	U197	All	Aug. 8, 1990.
U163	All others	Aug. 8, 1990.	U200	Soil and debris	May 8, 1992.
U164	Soil and debris	May 8, 1992.	U200	All others	Aug. 8, 1990.
U164	All others	Aug. 8, 1990.	U201	All	Aug. 8, 1990.
U165	All	Aug. 8, 1990.	U202	Soil and debris	May 8, 1992.
U166	All	Aug. 8, 1990.	U202	All others	Aug. 8, 1990.
U167	Soil and debris	May 8, 1992.	U203	All	Aug. 8, 1990.
U167	All others	Aug. 8, 1990.	U204	All	Aug. 8, 1990.
U168	Soil and debris	May 8, 1992.	U205	All	Aug. 8, 1990.
U168	All others	Aug. 8, 1990.	U206	Soil and debris	May 8, 1992.
U169	All	Aug. 8, 1990.	U206	All others	Aug. 8, 1990.
U170	All	Aug. 8, 1990.	U207	All	Aug. 8, 1990.
U171	Soil and debris	May 8, 1992.	U208	All	Aug. 8, 1990.
U171	All others	Aug. 8, 1990.	U209	All	Aug. 8, 1990.
U172	All	Aug. 8, 1990.	U210	All	Aug. 8, 1990.
U173	Soil and debris	May 8, 1992.	U211	All	Aug. 8, 1990.
			U213	All	Aug. 8, 1990.

U214	All	Aug. 8, 1990.	U234	All others	Aug. 8, 1990.
U215	All	Aug. 8, 1990.			
Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
U216	All	Aug. 8, 1990.	U235	Soil and debris	June 8, 1991.
U217	All	Aug. 8, 1990.	U235	All others	June 8, 1989.
U218	Soil and debris	May 8, 1992.	U236	Soil and debris	May 8, 1992.
U218	All others	Aug. 8, 1990.	U236	All others	Aug. 8, 1990.
U219	Soil and debris	May 8, 1992.	U237	Soil and debris	May 8, 1992.
U219	All others	Aug. 8, 1990.	U237	All others	Aug. 8, 1990.
U220	All	Aug. 8, 1990.	U238	Soil and debris	May 8, 1992.
U221	Soil and debris	June 8, 1991.	U238	All others	Aug. 8, 1990.
U221	All others	June 8, 1989.	U239	AI ^a CI	Aug. 8, 1990.
U222	Soil and debris	May 8, 1992.	U240	Soil and debris	May 8, 1992.
U222	All others	Aug. 8, 1990.	U240	All others	Aug. 8, 1990.
U223	Soil and debris	June 8, 1991.	U243	All	Aug. 8, 1990.
U223	All others	June 8, 1989.	U244	Soil and debris	May 8, 1992.
U225	All	Aug. 8, 1990.	U244	All others	Aug. 8, 1990.
U226	All	Aug. 8, 1990.	U246	All	Aug. 8, 1990.
U227	All	Aug. 8, 1990.	U247	All	Aug. 8, 1990.
U228	All	Aug. 8, 1990.	U248	All	Aug. 8, 1990.
U234	Soil and debris	May 8, 1992.	U249	All	Aug. 8, 1990.

^aThis table does not include mixed radioactive wastes (from the First, Second, and Third Third rules) which are receiving a national capacity variance until May 8, 1992 for all applicable treatment technologies.

^bStandards are being promulgated for 1,1,2-trichloroethane and 2-nitropropane for wastewaters and nonwastewaters

^cStandards are being promulgated for benzene and 2-ethoxyethanol for wastewaters and nonwastewaters.

^dTreatment standards for nonwastewaters disposed of after June 8, 1989, were promulgated June 8, 1989.

^eTreatment standards for nonwastewaters disposed of after August 17, 1988, were promulgated May 2, 1989.

Note: This table is provided for the convenience of the reader.

Table 2

Summary of Effective Dates of Land Disposal Restrictions for Contaminated Soil and Debris (CSD)

Restricted hazardous waste in CSD	Effective date
1. Solvent-(F001-F005) and dioxin-(F020-F023 and F026-F028) containing soil and debris from CERCLA response of RCRA corrective actions.	Nov. 8, 1990.
2. Soil and debris not from CERCLA response or RCRA corrective actions contaminated with less than 1% total solvents (F001-F005) or dioxins (F020-F023 and F026-F028).	Nov. 8, 1988
3. Soil and debris contaminated with California list HOCs from CERCLA response or RCRA corrective actions.	Nov. 8, 1990
4. Soil and debris contaminated with California list HOCs not from CERCLA response or RCTA corrective actions.	July 8, 1989.
5. All soil and debris contaminated with First Third wastes for which treatment standards are based on incineration.	Aug. 8, 1990
6. All soil and debris contaminated with Second Third wastes for which treatment standards are based on incineration.	June 8, 1991
7. All soil and debris contaminated with Third Third wastes or, First or Second Third "soft hammer" wastes which had treatment standards promulgated in the Third Third rule, for which treatment standards are based on incineration, vitrification, or mercury retorting, acid leaching followed by chemical precipitation, or thermal recovery of metals as well as all inorganic solids debris contaminated with D004-D011 wastes, and all soil and debris contaminated with mixed RCRA/radioactive wastes.	May 8, 1992

Note: 1. Appendix VI is provided for the convenience of the reader.

Note: 2. Contaminated Soil and Debris Rule will be promulgated in the future.

Chapter NR 675

APPENDIX VII

NATIONAL CAPACITY LDR VARIANCES FOR UIC WASTES^a

[Comprehensive List]

Waste code	Waste Category	Effective date	Waste code	Waste Category	Effective date
F001–F005	All spent F001–F005 solvent containing less than 1 percent total F001–F005 solvent constituents	Aug. 8, 1990.	D007	All	May 8, 1992.
California List	Liquid hazardous wastes, including free liquids associated with any solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l, or containing certain metals or compounds of these metals greater than or equal to the prohibition levels	Aug. 8, 1990.	D009	High Mercury Non-wastewater	May 8, 1992.
California List	Liquid hazardous waste having a pH less than or equal to 2	Aug. 8, 1990.	D009	Low Mercury Non-wastewater	May 8, 1992.
California List	Hazardous wastes containing HOCs in total concentrations less than 10,000 mg/l but greater than or equal to 1,000 mg/l	Aug. 8, 1990.	F011	All	June 8, 1991.
D002 ^b	All	May 8, 1992.	F039	Wastewater	May 8, 1992.
D003 (cyanides)	All	May 8, 1992.	K009	Wastewater	June 8, 1991.
D003 (sulfides)	All	May 8, 1992.	K011	Nonwastewater	June 8, 1991.
D003 (explosives, reactives)	All	May 8, 1992.	K011	Wastewater	May 8, 1992.
			K013	Nonwastewater	June 8, 1991.
			K013	Wastewater	May 8, 1992.
			K014	All	May 8, 1992.
			K016 (dilute)	All	June 8, 1991.
			K048	All	Aug. 8, 1990.
			K049	All	Aug. 8, 1990.
			K050	All	Aug. 8, 1990.
			K051	All	Aug. 8, 1990.
			K052	All	Aug. 8, 1990.
			K062	All	Aug. 8, 1990.
			K071	All	Aug. 8, 1990.
			K104	All	Aug. 8, 1990.

^aWastes that are deep well disposed on-site receive a six-month variance, with restrictions effective in November 1990.

^bDeep well injected D002 liquids with a pH less than 2 must meet the California List treatment standards on August 8, 1990.

Note: 1. Appendix VII is provided for the convenience of the reader.

Chapter NR 675
Appendix VIII
Certification Statements

A. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in ss. NR 675.20 to 675.28 and all applicable prohibitions set forth in s. NR 675.13 or RCRA section 3004 (d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (1) (e) 2.]

B. I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack does not contain any wastes identified at ch. NR 675, Appendix III, Wis. Adm. Code. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment. [Section NR 675.07 (1) (k)]

C. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in ss. NR 675.20 to 675.28, and all applicable prohibitions set forth in s. NR 675.13 or RCRA section 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (2) (e) 1.]

D. I certify under penalty of law that the waste has been treated in accordance with the requirements of s. NR 675.22. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (2) (e) 2.]

E. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with ch. NR 665, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (2) (e) 3.]

F. I certify under penalty of law that the waste has been treated in accordance with the requirements of s. NR 675.20 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (2) (e) 4.]

G. I certify under penalty of law that the debris has been treated in accordance with the requirements of s. NR 675.25. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment. [Section NR 675.07 (2) (e) 5.]

Chapter NR 675**APPENDIX IX****METAL BEARING WASTES PROHIBITED FROM DILUTION IN A COMBUSTION UNIT ACCORDING TO s. NR 675.06 (3)¹**

Waste code	Waste description
D004	Toxicity characteristic for Arsenic.
D005	Toxicity characteristic for Barium.
D006	Toxicity characteristic for Cadmium.
D007	Toxicity characteristic for Chromium.
D008	Toxicity characteristic for Lead.
D009	Toxicity characteristic for Mercury.
D010	Toxicity characteristic for Selenium.
D011	Toxicity characteristic for Silver.
F006	Wastewater treatment sludges from electroplating operations except for the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F010	Quenching bath residues from oil baths from metal treating operations where cyanides are used in the process.
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.
F012	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum car washing when such phosphating is an exclusive conversion coating process.
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003	Wastewater treatment sludge from the production of molybdate orange pigments.
K004	Wastewater treatment sludge from the production of zinc yellow pigments.
K005	Wastewater treatment sludge from the production of chrome green pigments.
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007	Wastewater treatment sludge from the production of iron blue pigments.
K008	Oven residue from the production of chrome oxide green pigments.
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.
K069	Emission control dust/sludge from secondary lead smelting.
K071	Brine purification muds from the mercury cell processes in chlorine production, where separately prepurified brine is not used.
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
K106	Sludges from the mercury cell processes for making chlorine.
P010	Arsenic acid H ₃ AsO ₄ .

P011	Arsenic oxide As ₂ O ₅ .
P012	Arsenic trioxide.
P013	Barium cyanide.
P015	Beryllium.
P029	Copper cyanide Cu(CN).
P074	Nickel cyanide Ni(CN) ₂ .
P087	Osmium tetroxide.
P099	Potassium silver cyanide.
P104	Silver cyanide.
P113	Thallic oxide.
P114	Thallium (I) selenite.
P115	Thallium (I) sulfate.
P119	Ammonium vanadate.
P120	Vanadium oxide V ₂ O ₅ .
P121	Zinc cyanide.
U032	Calcium chromate.
U145	Lead phosphate.
U151	Mercury.
U204	Selenious acid.
U205	Selenium disulfide.
U216	Thallium (I) chloride.
U217	Thallium (I) nitrate.

¹ A combustion unit is defined as any thermal technology subject to ch. NR 665 or 40 CFR part 266 subpart H.